X RAYS UP IN THE SKY.

Garret P. Serviss Tells of Their Many Wonders.

CAN WE GULF THE HEAVENS?

Amazing Possibilities in Which May Enable Us to Fathom the Solar System.

t is but a few years since the Henry

photograph of the beautiful group of rs called the Pleiades, which was starts in its reveiation of things which no man eye had ever seen before. This otograph showed that among those stars are was a wonderful intermingling of uds, some looped in featoons of mysrelight, and some running in straight with stars strong along their like beaded diamonds on a cord. The great star Aleyone, th was once thought to be the re about which our sun revolved, ared in the photograph surrounded vast draperies of glowing haze; star Maia seemed to be deco-with nebulous banners waved by tical winds of space, and its sister Merope, was the centre of an imharp-shaped mass of stringed and hie to show these ghostly companions of Pleindes, but their images were plain imprinted on the photographic plates hich had been exposed, in place of the

which and been capeas, in the segment of the focus of the first steps in the sudden and swift development of astronomical photography, which, within ten years, has revealed a new universe, and to whose future achievements no astronomical photography.

can venture to set a limit. d to the heavens are important to our sent purpose, in that they indicate one the ways in which the invisible may red visible. Galileo did not dream upon the sky, would, within three ons of light too faint to affect the

the eye-end of his telescope what he al power looking through the instru-This photographic eye, unlike our fixes upon itself the image of what Thus nebulae too faint and stars vanescent over to impress human irectly, are rendered visible through

tographic lunges. WONDERS YET TO COME.

it is certain that the restless and ring spirit of man will not remain raphic plate sees what he cannot see,

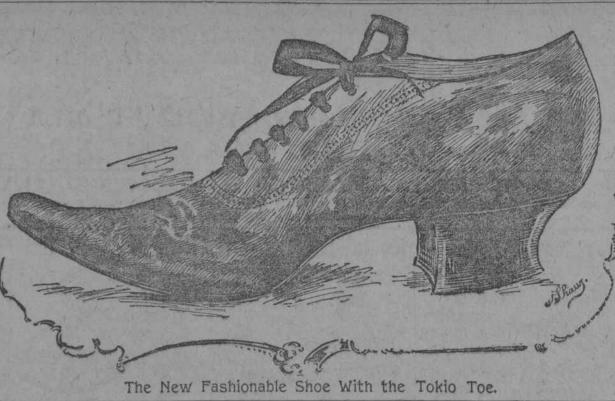
sources: in due time we shall deal with them as they come to us from interstellar space. It will be the story of the spectroscope over again. By means of that instrument we have been able, using only that small fraction of the total amount of the total amount of the spectroscope over again. By means of that instrument we have been able, using only that small fraction of the total amount of the spectroscope over again. By means of that instrument we have been able, using only that small fraction of the total amount of the spectroscope over again. By means of that instrument we have been able, using only that small fraction of the sum is botter than the tuninous shell of it which we helded But that shell, with its gigantle chasms, its up-heaved glowing masses and its coronal surface unitarity by the structure by the chast of the spectroscope over again. By means of that instrument we have been able, using only that small of it which we helded But that shell, with its gigantle chasms, its up-heaved glowing masses and its coronal surface in the spectroscope over again. By means of that instrument we have been able, using only that small fraction of the total amount of the spectroscope over again. By means of that in-that shell, with its gigantle chasms, its up-heaved glowing masses and its coronal surface in the means of the spectroscope over again. By means of that in-that shell, with its gigantle chasms, its up-heaved glowing masses and its coronal surface in the means of the interfor of the sum in the interfor of the sum in the interfor of the sum in the interfor of the sum is botter than the that shell, with its gigantle chasms, its up in the interfor of the sum in the interfor of the sum is botter than the interfor of the sum is shell of it which we have been discounted that shell of it which we have been discounted that shell of it which its gigantle chasms, its up in the interfor that shell of it which its gigantle chasms, its up in the interfor that shell of it which its gigantle chasms, its up in the inter to discover what the sun and the coded it. THE HEART OF THE SUN. are made of; to find iron and calcium and sodium and hydrogen and a score of

Then go a step further and make the inother familiar substances in thom. With
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glering mask of the sun will be withdrawn
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velocity of the motion of the stars stuinterpret and make the iniliquors have been served in the beautiful of
dining room. This is in deference to Mrs.

Massingberd's wishes. The sentiments inserthed on various parts of the building in
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that lights and warms a crowd of worlds
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In majority of the cital, so far no alcoholic
and proper have been served in the beautiful of
diling room. This is in deference to Mrs.

Massingberd's wishes. The sentiments inserthed on various parts of the building in
the heart of the furnace within—a funner
that light sent and warms a crowd of worlds.



selected with this achievement. The application of the selection of the achievement in the position patch and the selection of the selection o

HERE'S A REAL CLUB WOMAN.

Over in London Her Club Has a Smoking Room.

NO HARM, SHE SAYS, DON'T YOU KNOW,

The Men All Have These Rooms at Their Loafing Places, and So Gan We.

A woman's club with a smoking room attached is the latest innovation for which the new woman is held responsible.

Everybody has read about the very quietnot care who knows it.

novation is the Pioneer, of London. It is a new woman's club in every sense of the

Plecadilly.*

There are Oriental hookahs, with the daintiest mouthpieces imaginable. Just think of it! The ash trays of Benares brass do not differ a jot from those into brass do not differ a jot from those into his brass do not differ a jot from those into his brass do not differ a jot from those into his brass do not differ a jot from those into his brass do not differ a jot from those into his brass do not differ a jot from those into his brass do not differ a jot from those into his brass do not differ a jot from those into his brass do not differ a jot from those into his brass do not differ a jot from those into his brass do not differ a jot from those into his brass do not differ a jot from those into his brass do not differ a jot from those into his brass discovery. It is said that garding Mr. Robert B. Roosevelt's plan, of real particular discovery around the light.

scribed on various parts of the building Palace illustrate the attitude of the club. Here ful pis orner of the universe habit. Is one which is over the arch dividing the a rare experi GARRETT P. SERVISS. Hinner and outer antercom: "They say * * * vantage of it

What say they? * * * Let them say." On the first floor, between the two sections of

BRICKS OF GLASS.

A New Building Material That Opens Up Some Interesting Possibilities.

Glass bricks are the latest novelty in the BROADWAY CYCLE PATH. tation of those at the swell clubs on said to be as strong and durable as the

NEWEST SHOE

It's a Curious Creation, with a Turn-Up Point.

MAKES THE FOOT LOOK SMALLER.

Fashionable Women Approve It, and of Course This Makes It Popular.

This funny little toe has much in its favor, for not only is it novel, and hence

kid or tan glazed kid for \$4, and the shoe and toe for \$9. The boots come much

down rather low at the sides, and besides

With the warm weather the varying shades of tan shoes and ties appear. This season the brown tans are a bit in the background. The very newest color is a decided rich mahogany. It is much less conspicuous than the yellow tan, and when

The next color in favor is an orange tan. In a glazed kid tie both of these shades

More high and low shoes are laced this Spring than buttoned Toes are more pointed than ever, but

Toes are more pointed than ever, but heels remain fairly low and sensible.

The women who are dubbed "new" are rather partial to a shoe called the Twentleth Century. It has a rather heavy, mannish appearance. The materials for nukling it are a trifle heavier than those generally used for a woman's shoe. The heel is flat and the shoe may be bought either buttoned or laced. For walking expeditions it may be convenient, but for its beauty it would never become popular.

And New Yorkers Should Try to Find a

which the lights of feminine clubdom knock their ashes and think it just lovely. Ar. Windows may be done away with, except way: "I do not think that our organizatheir ashes and think it just lovely. Aristic Deihi bowls of tobacco rest on the
ables not because of convenience, but for
he reason that the bowls look well. It is

state of the class is not completely as the complete of the co

Divorces Too Common. IN TOWN. THE NUMBER SEEMS TO BE has green GROWING, INSTEAD OF LESSENING.

THE TROUBLE-ITS CAUSE, AND ALMOST CERTAIN REMEDY.

When two people get married they have to adjust themselves to each other's tem-peraments and peculiarities. Each of us, perhaps, thinks that he has no peculiarities, and that every one else is peculiar. In the intercourse between any two people there are sure to be irritations—disagree-Irritability is, more often than not, an's pectraceable to III health or nervousness. When a man works hard at his business all day—and most American men do—the resulting fatigue puts his nerves on edge—small things irritate him. When a woman works hard all day—and most American medicines for women. There are some invalid women who have neglected themselves so long that a complete cure is next to impossible, but even



to make her irritable. When two people these will find comfort and in the use of the "Favorite It has cured hundreds of wellkely to fiv."

Both before and after marriage, lovers may quarrel and make up. The making up may be very pleasant—if there is enough of it; but continual quarrelling is likely to make callous spots on their sensibilities. After awhile they are not in such a hurry to "make up." Finally, there is more quarrelling than there is making

up—and the judge does the rest.

The little ged of love finds the atmosphere of quarrelsomeness uncongenial. When continued nervousness and irrita-